

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROPRIATE</b>
QSS Group, Inc.	NAS5- 99124      TASK NO. 11      AMENDMENT 7	563-615-41-23-99 <sup>89</sup>	99

**TASK TITLE:**

POES Electrical Power System (EPS) Services

**APPROVALS:** (Type or print name and sign)

<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Thomas Spitzer <i>Thomas Spitzer</i>	4/6/99	563	563	301-286-4383
<b>BRANCH HEAD</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Marlon Enciso <i>for Thomas Spitzer</i>	4/8/99	563	301-286-8841	
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Fred Huegel <i>Deborah A. Clark</i>	4/14/99	568	301-286-2285	
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?</b> <small>(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)</small>	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Larry Moore			

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

*(To be completed by Contracting Officer)*

**C.O. Requested Quote on:**

**Date:** APR 19 1999

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO      ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO      ☐ YES      ☒ N/A

Government Furnished Property/Facilities: ☒ NO      ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO      ☒ YES      If yes: ☒ TOTAL      ☐ PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached: ☒ NO      ☐ YES

Highlighted Contract Clauses: *(to be completed by Contracting Officer)*

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.

**INCENTIVE FEE STRUCTURE** (check one)

*(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)*

	<input checked="" type="checkbox"/> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

*(To be completed by Contracting Officer)*

The target cost of this task order is \$ 200,462

The target fee of this task order is \$ 11,673

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 212,135

The maximum fee is \$ 17,061

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

*Lois L. Eakin*  
SIGNATURE OF CONTRACTING OFFICER

12/29/99  
DATE

Lois L. Eakin  
Contracting Officer

TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- 99124	11	

Applicable paragraphs from contract Statement of Work: Function 2.D.7

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The contractor shall provide the necessary engineering services to the Power Systems Branch for technical the POES Electrical Power System. The following specific activities are required:

1. Ongoing comparison of the current POES power system design against project supplied specs.
2. Analysis of modifications to the power system design
3. Evaluation of fabrication processes and facilities, provided by the prime contractor to design and build the POES power system.
4. Evaluation of test procedures, equipment, and facilities used by the prime contractor to test the POES power system.
5. Evaluation of ground software used to test the POES power system.
6. Evaluation of flight software pertaining to the POES power system.
7. Evaluation of specific issues concerning the power system.
8. Track, review, and provide recommendations for anomaly reports generated concerning the POES power system.
9. Provide written analysis and recommendations to the Project and ATR for all the activities listed above.  
Summarize and submit results from tests and evaluation studies to the ATR.
10. Coordinate with the ATR on those items that need branch concurrence.
11. Participate in operations at the launch site.
12. Participate in post launch activities and evaluations.

(Continued)

**PERFORMANCE SPECIFICATIONS:**

All plans and procedures under this task are to be produced using industry standard practice.

**APPLICABLE DOCUMENTS:**

IS-3267415	ATN-KLM General Instrument Interface Specification
GSFC S-480-25.1	Performance Spec. for the NOAA-K,L,M,N,N-Prime Satellites
PS-3284482	Performance Specification for the NOAA-KLM Electrical Power Subsystem
PS-3274387	NOAA-KLM Solar Array Telemetry Commutation Unit
PS-20058205	NOAA-KLM Battery Assembly Performance Specification
PS-20057864	NOAA-KLM Battery Cell Performance Specification
PS-3274077	NOAA-KLM Power Management Software
PS-3284483	NOAA-KLM Solar Array Performance Specification
PN-2629891	NOAA-KLM Performance Verification Plan
PS-3281154	NOAA-KLM Power Control Electronics
	Programming and Control handbook for Advanced TIROS-N Spacecraft Series
PS-3271372	NOAA-KLM Battery reconditioning Unit Performance Specification

TASK END DATE: 6/1/00

MILESTONES/DELIVERABLES AND DATES: See Page 3.

**PERFORMANCE STANDARDS:**

Schedule: On-time delivery of the above

Technical: ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Thomas Spitzer, building 20, room 136

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**STATEMENT OF WORK:** (Continued)

The contractor task shall maintain day to day contact with POES project system engineering.

The contractor shall attend meetings and telecons pertaining to the power system requested by the Project or ATR.

The contractor shall travel to prime, subcontractor, and other project designated facilities to perform power related activities.

The contractor shall provide to the ATR copies of written correspondence between himself and the prime or other contractors involved in the power system.

The contractor shall communicate with the ATR on at least a weekly basis, and within 2 days whenever a problem is surfaced that could effect the performance, schedule or cost of the power system.

The contractor shall provide a monthly summary of his activities to the ATR.

**MILESTONES/DELIVERABLES AND DATES:**

1. Memos written to the project and ATR documenting power system issues within 5 days of the time they are surfaced
2. Memos to the project and ATR documenting recommendations for corrective action within 10 days such action is agreed upon.
3. Written monthly summary of activities.
4. Weekly communications with the ATR.
5. Test reports by 2 weeks after the event .

Summarize and report on following activities:

Each month                      NOAA-KLM Spacecraft Status Monthly Review  
(verbal input to ATR within 1 week after the review)

6/99-6/00                      NOAA-L Prepare for storage of solar array and spacecraft, Call up activities, FRR,  
launch site ops, Post launch activities  
(within 2 weeks after event)

6/99-6/00                      NOAA-M SEPETS, Environmental (TV, Acoustic, etc) tests, Solar Array Deployment,  
Illumination, Flash, Tests, (within 2 weeks after the event)

7. ATR Notification within 2 days whenever a problem is surfaced that may effect the performance, schedule, or cost of the power system.

8. Copies of written correspondence with the prime or other contractors invovled in the power system shall be provided to the ATR within 2 days of release.